ultrasonix Analogic Ultrasound

Product Specifications

SonixTablet Ultrasound System

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Descriptions and availability are subject to change without notice.
SonixTablet may be pending regulatory approval in your region and
may not be available for sale or shipping prior to such approval.
Check with your sales representative for details.

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General Overview

SonixTablet is a compact ultrasound system with a 19" touch screen that can be mounted on a cart, or on the ceiling or wall to preserve floor space. This compact system provides the same premium image quality as higher-end Ultrasonix models.

Customizable Touch Screen
Equipped with a configurable touch screen, SonixTablet is completely adjustable to meet a department's imaging protocols or individual user needs. Simplify your workflow and save time by customizing the screen to see only the buttons you need to use for the current exam or procedure.

Flexible Mounting Options
SonixTablet has a universal VESA support that is mountable on walls, ceilings or carts. Weighing less than 35 pounds and built with a convenient carrying handle, it can also be easily positioned to work on a flat, stable surface. An optional rolling carrying case helps protect the system when in transport from site to site.

Document every procedure
No other ultrasound system makes it easier to get patient data into and out of the system. Wireless connectivity means you can move the system anywhere and still send patient data and ultrasound images to a central server. Using a barcode reader, simply scan a patient's wrist band or chart to accurately record patient information.

Stay Current and protect your investment
All Ultrasonix systems are built using the OpenSONIX, software-based platform that can be easily updated or upgraded with new technology and new features. Traditional hardware-based systems are typically out of date within a few years.

Ideal for guidance procedures
SonixTablet offers excellent image quality for locating vessels, nerves, joints, and focal tissue abnormalities. Two transducers can be connected for both peripheral and abdominal procedures, or abdominal and pelvic procedures.

General Specifications

Applications

• **Abdomen**	• **MSK**	• **Pediatric**	• **Urology**
• **Cardiac**	• **Nerve Block**	• **Small Parts**	• **Vascular**
• **Gynecology**	• **Obstetrics**		

Electrical Power

Input Voltage	100V–120V/200V–240V	**Input Frequency**	50/60 Hz
Input Current	7.0A/4.0A	**Output Voltage**	24 VDC
Output Current	12.5A		

Transducer/Gel Holders

Transducer Holders	2

Transducers

For transducer specifications, please refer to the current *Transducer Specifications* brochure (UXID 00.050.134).

Physical Specifications

Dimensions (H x W X D)	41 cm x 45 cm x 17.5 cm (16.1" x 17.7" x 6.9")	**Weight**	15 kg (33 lbs)
System Mount	VESA-mount compatible (MIS-D 100)	**Air Filters**	Yes
Carry Handle	Yes		

Operating Conditions

Operational Temperature	10° to 40° C (50° to 104° F)	**Operational Humidity**	30% to 75% (non-condensing)
Safety Class	BF		

Shipping/Storage Conditions

Shipping/Storage Temperature	-15°C to +50°C (+5° to +122° F)	**Shipping/Storage Humidity**	10% to 90% (non-condensing)
Pressure	50 kPa to 106 kPa		

Standard Cart (optional)

Height (including castors)	125 cm (49.2")	**Height Range (floor to center of screen)**	76 cm – 116 cm (29.9" – 45.7")
Width	51.5 cm (21.9")	**Depth**	51.5 cm (21.9")
Weight	31 kg (68.2 lbs)	**Battery**	Optional
Mounting Standard	VESA 100	**Mounting Capacity**	20 kg (44 lb)
Caster Height and Tread Width	∅12.5 cm x 3.2 cm (∅4.9" x 1.26")	**Caster Type**	4 Total locking
Tilt Angle	±15°/-7° from horizontal	**Swivel Angle**	+40°/-40° from center
Locking Enclosure with Writing Surface	No	**Cart Handle (Rear)**	Standard
Bin	Yes	**Printer (installed on mounting bracket)**	Optional

Tall Cart (optional)

Height	164 cm (64.6")	**Height Range (floor to center of screen)**	120 cm – 160 cm (47.2" – 63")
Width	51.5 cm (21.9")	**Depth**	51.5 cm (21.9")
Weight	34 kg (74.8 lbs)	**Battery**	Optional
Mounting Standard	VESA 100	**Mounting Capacity**	20 kg (44 lb)
Caster Height and Tread Width	∅12.5 cm x 3.2 cm (∅4.9" x 1.26")	**Caster Type**	4 Total locking
Tilt Angle	±15°/-7° from horizontal	**Swivel Angle**	+40°/-40° from center
Locking Enclosure with Writing Surface[1]	Optional	**Cart Handle (Rear)**	Standard
Bin	Yes	**Printer (installed on mounting bracket)**	Optional

[1] Available only as a factory-installed option. It cannot be installed in the field.

Connectivity, Media and Peripherals

Active Transducer Ports	2	**Peripherals/Storage Tray**	N/A
Digital B/W Thermal Printer	Optional	**Digital Video Monitor (aux)**	DVI-I and VGA compatible device
Barcode Reader	Optional	**Remote Support (Service Diagnostics)**	Yes
SonixLive™ Streaming	Yes	**Wireless (802.11a/b/g/n)**	Optional
Footswitch: BNC (One Pedal)	No	**Footswitch: USB (Two/Three Pedals)**	Optional
USB Ports	4	**USB 3.0 Ports**	2
Ethernet Port	1 (**10Mb/1000Mb**)	**USB Modem (Third Party)**	Yes
External Display	Optional DVI-I out to DVI, HMDI or VGA at a resolution of 1152 x 864 and a video frequency of 60Hz		

Cine Memory/Image Memory

Cine Memory	128 Mb	**Cine Capture Function**	Yes
Quad Image Cine Display	Yes	**Dual Image Cine Display**	Yes
Cine Review Loop	Yes	**Cine Review Speed**	⅛, ¼, ½, 1, 2
Measurements, Calculations, Annotations on Cine Playback	Yes (on still image)	**Cine Gauge and Cine Image Number Display**	Yes
Post-Acquisition Manipulation of Raw Cine Data	Yes (frozen image options only)		

DICOM and EMR Connectivity (optional)

DICOM 3.0 Compliant	Yes	**DICOM Worklist**	Yes
DICOM Commit	Yes	**DICOM Print**	Yes
DICOM Perform Proc Step	No	**DICOM Structured Reporting**	Yes
DICOMDIR	Yes	**eIVF EMR Interface**	Yes
Export images in DICOM format after acquisition	Yes		

Image Storage

Storage Format	PNG, AVI, MPEG, RAW (Cine)	**Export Video Format**	AVI (Xvid), MPEG, DICOM
Export Image Format	PNG, JPEG, BMP, GIF, DICOM, DICOMDIR	**Cine Frame Capacity**	> 8,000 frames
SonixDVR™	1 hr or 120,000 frames	**Stored Image Capacity**	> 50,000 images
Stored Image Clip Capacity	> 1,000, 3 second image clips	**DICOM Still Image (Gray and Color)**	Yes
CD-R Storage	Supports Ultrasonix-approved recorder(s)	**DVD Storage**	Supports Ultrasonix-approved recorder(s)

Technology Support

ECG Support	Optional	**SonixHub™**	Optional
SonixGPS™	Optional[1]	**SonixDAQ™ (RP Research)**	N/A
SonixCam™	Optional	**SonixDVR™**	Optional
SonixShine™	Optional[2]	**SonixRemote™**	Optional

[1] For details, refer to the most recent SonixGPS Accessories Catalogue (document number 00.050.147).
[2] Supported transducers: L9-4/38, L14-5/38, L14-5/38 GPS.

General Performance

Digital Broadband	8192 channels	**Beamformer**	Re-programmable
Adjustable Transmit Voltage	Yes (16 steps)	**Beamformer Frequency Range**	1 – 40 MHz

Pan / Zoom

Real-Time Image	Yes	**Frozen Image**	Yes
HD Zoom: Read Zoom Range	100% – 500%	**HD Zoom: Write Zoom Range**	100% – >300%

ECG (optional)

ECG Module	Yes	**ECG Lead**	Yes
ECG Invert	Yes	**ECG Baseline**	Yes
ECG Gain	Yes		

Hardware Specifications

LCD Monitor/Touch Screen

Size (Diagonal)	48.25 cm (19")	**Contrast Ratio**	1000:1
Type/Technology	Surface Acoustic Wave (SAW)	**Compatible with bare hands/thin medical gloves (e.g., latex, vinyl, nitrile)**	Yes
Software Display Resolution	1152 x 864 pixels	**Horizontal/Vertical Plane Viewing Angle**	89°/89°
Brightness	300 cd/m^2	**Color Depth (True Color [Million])**	16.78
Grey Levels	256	**Response Time**	20 ms
Surface Hardness Rating	7 Mohs		

Embedded Computer

CPU Specification (min) (SXTAB3.0 and later)	Intel Core i5 2500T, 2.3 GHz, 6M L3 Cache, 32nm, 45W	**Hard Drive (Patient) Data**	250 Gb or larger

Audio: Speakers

Internal/External	Internal (mono)	**Frequency Range**	450 Hz – 20 kHz
Impedance	8 Ω	**Power**	4 W
Sound Pressure	82 dB/W	**Size (L x W x H)**	23 mm x 23 mm x 10.2 mm (0.9" x 0.9" x 0.4")

External Power Supply

Size (L x W x H)	34 cm x 10.4 cm x 5.8 cm (13.4" x 4.1" x 2.28")	**Weight**	2.7 kg (5.95 lbs)
Input	100–240 VAC, 50/60 Hz	**Output**	24 V, 12.5 A
Power Consumption (Peak)	360 W	**Power Consumption (Typical)**	220 W

Battery[1] (optional)

Input Voltage	100–240 VAC	**Input Frequency**	50/60 Hz
Input Current	6.3–3.0A	**Runtime**	> 90 minutes
Output Voltage	27 VDC (AC Mode[2])	**Output Voltage**	24 VDC (Battery Module Mode[3])
Output Current	13.3A (AC Mode[2])	**Output Current**	12.5A (Battery Module Mode[3])
Weight	7 kg (15.4 lbs)	**Dimensions**	51 cm x 15 cm x 8.2 cm (20.1" x 5.9" x 3.2")

[1] If the battery module is not connected to the system, *this section does not apply*. Refer instead to **Electrical Power, page 2**.
[2] The battery module is connected to the system and plugged into a wall outlet.
[3] The battery module is connected to the system but not plugged into a wall outlet.

SonixGPS Arm (optional)

Vertical Adjustment Range	31.9 cm (12.56")	**Weight**	9 Kg (19.8 lbs)
Swivel Angle	±90° from center	**Tilt Angle**	±40° from horizontal
Maximum Extension of Three (3) Part Arm	90.4 cm (35.6")		

Imaging Performance

Startup Time (Max)	Avg < 90 seconds	**Preset Switching Time**	Avg < 1 second
Storage Time (Image to Disk)	Avg < 0.5 seconds		

Software Specifications

System Setup

User-Defined Presets	Yes	**Factory Default Presets**	Yes
User-Defined Annotations	Yes	**Factory Default Annotations**	Yes
Customizable Annotation Home Position	Yes		

Software Languages

- **English (US)**
- **French (France, FR-E)**
- **German (DE)**
- **Russian (RU)**
- **Simplified Chinese (CH-M)**
- **Brazilian Portuguese (BR)**
- **Spanish (Latin American, SP-L)**
- **Italian (IT)**
- **Czech (CZ)**

User Interface

QSonix Exam Wizard	Yes	**Annotations**	Yes
Pictograms (Body Marks)	Yes	**Multiple Arrows**	Yes
Programmable Annotations	Yes	**Configurable Worksheets**	Yes
Cine Playback	Yes	**Training Tutorials**	Yes
System Setup Menu	Yes	**Exam Review**	Yes
User-Programmable Touch Screen Layout	Yes		

Measurement/Calculations

User-Programmable Packages	Unlimited	**User-Programmable Table**	Supported
IMT (Intima-Media Thickness) Measurement	Optional[1]	**Auto-Follicle Measurement**	Optional[2]
Max Onscreen Measurements: Distance	25	**Max Onscreen Measurements: Volume**	8
Max Onscreen Measurements: Area	12		

[1] Supported transducers: L14-5/38, L14-5/38 GPS, L9-4/38, L14-5W/60, L40-8/12.
[2] Supported modes: B, Compound.

System Safety

System Safety Verification	Yes	**Antivirus Protection**	Yes (1 year free updates)

Measurements and Calculations

Abdomen / Biliary

All Modes

Abdomen PW	Portal V, Hepatic A, RHV, MHV, LHV	**Prostate**	L, H, W, Region L, Region H, Region W **Calculation:** VOL(Prostate), VOL(Region), PSAD
Lt Kidney	L, H, W, CORTEX **Calculation:** VOL(LtKidney)	**Rt Kidney**	L, H, W, CORTEX **Calculation:** VOL(RtKidney)
Lt Kidney PW	Lt Vel Prox, Lt Vel Mid, Lt Vel Dist, Lt Trace Prox, Lt Trace Mid, Lt Trace Dist		
Rt Kidney PW	Rt Vel Prox, Rt Vel Mid, Rt Vel Dist, Rt Trace Prox, Rt Trace Mid, Rt Trace Dist		
Abdomen	Liver, GB, GBWT, CBD, Portal Vein, Spleen, GB L, GB H, GB W **Calculation:** VOL(GB)		
Aorta	Prox Ao AP, Mid Ao AP, Dist Ao AP, Rt Iliac AP, Lt Iliac AP, Prox Ao Width, Mid Ao Width, Dist Ao Width, Rt Iliac Width, Lt Iliac Width, AAA L, AAA H, AAA W		
Aorta PW	SMA, Celiac, Ao, Rt Iliac A, Lt Iliac A, Rt Iliac V, Lt Iliac V		
Bladder	L, H, W, Blad Wall, Rt Ureter, Lt Ureter, Pre-void L, Pre-void H, Pre-void W, Post-void L, Post-void H, Post-void W **Calculation:** VOL(Bladder), VOL(Bladder), VOL(Bladder PreVoid), VOL(Bladder PreVoid), VOL(Bladder PostVoid), VOL(Bladder PostVoid)		

Bladder

All Modes

Lt Kidney	L, H, W, CORTEX **Calculation:** VOL(LtKidney)	**Rt Kidney**	L, H, W, CORTEX **Calculation:** VOL(RtKidney)
Bladder	L, H, W, Blad Wall, Rt Ureter, Lt Ureter, Pre-void L, Pre-void H, Pre-void W, Post-void L, Post-void H, Post-void W **Calculation:** VOL(Bladder), VOL(Bladder), VOL(Bladder PreVoid), VOL(Bladder PreVoid), VOL(Bladder PostVoid), VOL(Bladder PostVoid)		
Dor.PenA	Vessel Area, Stenosis Area, Auto Trace, PS, RI, S/D, Time, Manual Trace, ED, PI, Vessel Dia, Stenosis Dia, HR		
Lt Kidney PW	Lt Vel Prox, Lt Vel Mid, Lt Vel Dist, Lt Trace Prox, Lt Trace Mid, Lt Trace Dist		
Rt Kidney PW	Rt Vel Prox, Rt Vel Mid, Rt Vel Dist, Rt Trace Prox, Rt Trace Mid, Rt Trace Dist		
Lt Renal A.	Lt Vel Prox, Lt Vel Mid, Lt Vel Dist, Lt Trace Prox, Lt Trace Mid, Lt Trace Dist, Lt Upper Pole, Lt Mid, Lt Lower Pole		
Rt Renal A.	Rt Vel Prox, Rt Vel Mid, Rt Vel Dist, Rt Trace Prox, Rt Trace Mid, Rt Trace Dist, Rt Upper Pole, Rt Mid, Rt Lower Pole		
Vessel	Vessel Area, Stenosis Area, Auto Trace, PS, RI, S/D, Time, Manual Trace, ED, PI, Vessel Dia, Stenosis Dia, HR		

Breast

All Modes

Left Breast	LtL1, LtL2, LtL3, LtL4, LtL5	**Right Breast**	RtL1, RtL2, RtL3, RtL4, RtL5

Cardiac

B-Mode

MV	Diameter, MVA (Trace), HR	**LV Mass A/L**	Epi Area, Endo Area, LV Length, HR **Calculation:** Myocardial Thick., LV Mass
LA/Ao	Ao Root, LA, Asc Ao, LVOT Diam, AVA (Trace), HR **Calculation:** LA/Ao Ratio [2D]		
LV Simps.	A4C Dias, A4C Sys, A2C Dias, A2C Sys, HR **Calculation:** EDV(Simpsons), SV(Simpsons A4C), EF(Simpsons A4C), CO(Simpsons A4C), SV(Simpsons), EF(Simpsons), CO(Simpsons), ESV(Simpsons), SV(Simpsons A2C), EF(Simpsons A2C), CO(Simpsons A2C)		
Qp/Qs	LVOT VTI, RVOT VTI, LVOT Diam, RVOT Diam, HR **Calculation:** LVOT SV, Qp/Qs, RVOT SV, LVOT Area, RVOT Area		
RV/LV	RVWd, RVDd, IVSd, LVDd, LVPWd, RVWs, RVDs, IVSs, LVDs, LVPWs, HR **Calculation:** LV Mass [2D], IVS FT, LVEDV(Teich) [2D], LVEDV(Cubed) [2D], LVEDV(Gibson) [2D], EF(Teich) [2D], EF(Cubed) [2D], EF(Gibson) [2D], SV(Teich) [2D], SV(Cubed) [2D], SV(Gibson) [2D], CO(Teich) [2D], CO(Cubed) [2D], CO(Gibson) [2D], FS [2D], LVESV(Teich) [2D], LVESV(Cubed) [2D], LVESV(Gibson) [2D]		

Dual B/Quad B

MV	Diameter, MVA (Trace), HR	**LV Mass A/L**	Epi Area, Endo Area, LV Length, HR **Calculation:** Myocardial Thick., LV Mass
LA/Ao	Ao Root, LA, Asc Ao, LVOT Diam, AVA (Trace), HR **Calculation:** LA/Ao Ratio [2D]		
LV Simps.	A4C Dias, A4C Sys, A2C Dias, A2C Sys, HR **Calculation:** EDV(Simpsons), SV(Simpsons A4C), EF(Simpsons A4C), CO(Simpsons A4C), SV(Simpsons), EF(Simpsons), CO(Simpsons), ESV(Simpsons), SV(Simpsons A2C), EF(Simpsons A2C), CO(Simpsons A2C)		
RV/LV	RVWd, RVDd, IVSd, LVDd, LVPWd, RVWs, RVDs, IVSs, LVDs, LVPWs, HR **Calculation:** LV Mass [2D], IVS FT, LVEDV(Teich) [2D], LVEDV(Cubed) [2D], LVEDV(Gibson) [2D], EF(Teich) [2D], EF(Cubed) [2D], EF(Gibson) [2D], SV(Teich) [2D], SV(Cubed) [2D], SV(Gibson) [2D], CO(Teich) [2D], CO(Cubed) [2D], CO(Gibson) [2D], FS [2D], LVESV(Teich) [2D], LVESV(Cubed) [2D], LVESV(Gibson) [2D]		

Cardiac

Compound / Dual Compound (optional)

LV Mass A/L	Epi Area, Endo Area, LV Length, HR **Calculation:** Myocardial Thick., LV Mass	**MV**	Diameter, MVA (Trace), HR
LA/Ao	Ao Root, LA, Asc Ao, LVOT Diam, AVA (Trace), HR **Calculation:** LA/Ao Ratio [2D]		
LV Simps.	A4C Dias, A4C Sys, A2C Dias, A2C Sys, HR **Calculation:** EDV(Simpsons), SV(Simpsons A4C), EF(Simpsons A4C), CO(Simpsons A4C), SV(Simpsons), EF(Simpsons), CO(Simpsons), ESV(Simpsons), SV(Simpsons A2C), EF(Simpsons A2C), CO(Simpsons A2C)		
RV/LV	RVWd, RVDd, IVSd, LVDd, LVPWd, RVWs, RVDs, IVSs, LVDs, LVPWs, HR **Calculation:** LV Mass [2D], IVS FT, LVEDV(Teich) [2D], LVEDV(Cubed) [2D], LVEDV(Gibson) [2D], EF(Teich) [2D], EF(Cubed) [2D], EF(Gibson) [2D], SV(Teich) [2D], SV(Cubed) [2D], SV(Gibson) [2D], CO(Teich) [2D], CO(Cubed) [2D], CO(Gibson) [2D], FS [2D], LVESV(Teich) [2D], LVESV(Cubed) [2D], LVESV(Gibson) [2D]		

M-Mode

LA/Ao (M)	Ao Root, LA Diam, ACS, Ao Root Ampl., ET, HR **Calculation:** LA/Ao Ratio [M]	**MV (M)**	D-E Excursion, E-F Slope, A-C, EPSS, HR
RV/LV (M)	RVWd, RVDd, IVSd, LVDd, LVPWd, RVWs, RVDs, IVSs, LVDs, LVPWs, HR **Calculation:** LV Mass [M], LVEDV(Teich) [M], LVEDV(Cubed) [M], LVEDV(Gibson) [M], EF(Teich) [M], EF(Cubed) [M], EF(Gibson) [M], SV(Teich) [M], SV(Cubed) [M], SV(Gibson) [M], CO(Teich) [M], CO(Cubed) [M], CO(Gibson) [M], FS [M], LVESV(Teich) [M], LVESV(Cubed) [M], LVESV(Gibson) [M]		

Cardiac

Anatomical M

LA/Ao (M)	Ao Root, LA Diam, ACS, Ao Root Ampl., ET, HR **Calculation:** LA/Ao Ratio [M]	**MV (M)**	D-E Excursion, E-F Slope, A-C, EPSS, HR
RV/LV (M)	RVWd, RVDd, IVSd, LVDd, LVPWd, RVWs, RVDs, IVSs, LVDs, LVPWs, HR **Calculation:** LV Mass [M], LVEDV(Teich) [M], LVEDV(Cubed) [M], LVEDV(Gibson) [M], EF(Teich) [M], EF(Cubed) [M], EF(Gibson) [M], SV(Teich) [M], SV(Cubed) [M], SV(Gibson) [M], CO(Teich) [M], CO(Cubed) [M], CO(Gibson) [M], FS [M], LVESV(Teich) [M], LVESV(Cubed) [M], LVESV(Gibson) [M]		

Simultaneous 2D/Color

MV (Color)	Dist A, Dist B, A (Trace), PISA, Diameter, HR **Calculation:** PISA ERO	**TV (Color)**	TV Diam, PISA, HR

Dual Color (optional)

MV (Color)	Dist A, Dist B, A (Trace), PISA, Diameter, HR **Calculation:** PISA ERO	**TV (Color)**	TV Diam, PISA, HR

Color Doppler

MV (Color)	Dist A, Dist B, A (Trace), PISA, Diameter, HR **Calculation:** PISA ERO	**TV (Color)**	TV Diam, PISA, HR

Pulsed Wave (PW) Doppler

AV (CONT. EQ)	LVOT Diam, LVOT Peak, LVOT VTI, AV Peak, AV VTI, HR **Calculation:** LVOT Area, AVA, CO		
AV (Doppler)	LVOT Peak, LVOT VTI, AV Peak, AV VTI, AR PHT, End Dias. Vel, LVOT Diam, HR **Calculation:** AVA, CO, LVOT Area, LVOT SV	**MV (Doppler)**	Peak E, Peak A, PHT, MV VTI, MV Acc, A Dur, E Dur, IVRT, MR Peak, E/Ea, HR **Calculation:** E/A Ratio, E/E' Ratio
PV (Doppler)	PV Peak, PV VTI, PV AccT, RVOT VTI, RV ET, RV AcT, RV PEP, PR Peak, HR	**TV (Doppler)**	TV Peak E, TV Peak A, TV PHT and Dec, TV VTI, TV Acc, TR Peak, TR VTI, HR **Calculation:** RVSP
Pulm. Vein	PulmV PeakS, PulmV PeakD, PulmV PeakA, PulmV A Dur, HR **Calculation:** S/D Ratio	**Qp/Qs**	LVOT VTI, RVOT VTI, LVOT Diam, RVOT Diam, HR **Calculation:** LVOT SV, Qp/Qs, RVOT SV, LVOT Area, RVOT Area

Cardiac

Continuous Wave (CW) Doppler

AV (CONT. EQ)	LVOT Diam, LVOT Peak, LVOT VTI, AV Peak, AV VTI, HR **Calculation:** LVOT Area, AVA, CO		
AV (Doppler)	LVOT Peak, LVOT VTI, AV Peak, AV VTI, AR PHT, End Dias.Vel, LVOT Diam, HR **Calculation:** AVA, CO, LVOT Area, LVOT SV	**MV (Doppler)**	Peak E, Peak A, PHT, MV VTI, MV Acc, A Dur, E Dur, IVRT, MR Peak, E/Ea, HR **Calculation:** E/A Ratio, E/E' Ratio
PV (Doppler)	PV Peak, PV VTI, PV AccT, RVOT VTI, RV ET, RV AcT, RV PEP, PR Peak, HR	**TV (Doppler)**	TV Peak E, TV Peak A, TV PHT and Dec, TV VTI, TV Acc, TR Peak, TR VTI, HR **Calculation:** RVSP
Pulm. Vein	PulmV PeakS, PulmV PeakD, PulmV PeakA, PulmV A Dur, HR **Calculation:** S/D Ratio	**Qp/Qs**	LVOT VTI, RVOT VTI, LVOT Diam, RVOT Diam, HR **Calculation:** LVOT SV, Qp/Qs, RVOT SV, LVOT Area, RVOT Area

Triplex

AV (CONT. EQ)	LVOT Diam, LVOT Peak, LVOT VTI, AV Peak, AV VTI, HR **Calculation:** LVOT Area, AVA, CO		
AV (Doppler)	LVOT Peak, LVOT VTI, AV Peak, AV VTI, AR PHT, End Dias.Vel, LVOT Diam, HR **Calculation:** AVA, CO, LVOT Area, LVOT SV	**MV (Doppler)**	Peak E, Peak A, PHT, MV VTI, MV Acc, A Dur, E Dur, IVRT, MR Peak, E/Ea, HR **Calculation:** E/A Ratio, E/E' Ratio
PV (Doppler)	PV Peak, PV VTI, PV AccT, RVOT VTI, RV ET, RV AcT, RV PEP, PR Peak, HR	**TV (Doppler)**	TV Peak E, TV Peak A, TV PHT and Dec, TV VTI, TV Acc, TR Peak, TR VTI, HR **Calculation:** RVSP
Pulm. Vein	PulmV PeakS, PulmV PeakD, PulmV PeakA, PulmV A Dur, HR **Calculation:** S/D Ratio	**Qp/Qs**	LVOT VTI, RVOT VTI, LVOT Diam, RVOT Diam, HR **Calculation:** LVOT SV, Qp/Qs, RVOT SV, LVOT Area, RVOT Area

Miscellaneous

Generic

General	Distance, Area, Strain Ratio, HR, Velocity, Time, Time/Slope, Trace, Trace (Pelvic), Trace (Cardiac), Trace (Abdomen), Trace (Vascular), Trace (Small Parts), Trace (MSK), Trace (Urology), Trace (OB 1st Trimester), Trace (OB 2nd-3rd Trimesters), Range, Range (Pelvic), Range (Cardiac), Range (Abdomen), Range (Vascular), Range (MSK), Range (Urology), Range (OB 1st Trimester), Range (OB 2nd-3rd Trimesters), Diam Red, Area Red, d:D Ratio, Acceleration, Angle
Volume	L, H, W **Calculation:** VOL(Generic)

Live Trace - B

Doppler Trace (Abdomen)	Trace	**Doppler Trace (Cardiac)**	Trace
Doppler Trace (Generic)	Trace	**Doppler Trace (MSK)**	Trace
Doppler Trace (OB 1st Trimester)	Trace	**Doppler Trace (OB 2nd – 3rd Trimesters)**	Trace
Doppler Trace (Pelvic)	Trace	**Doppler Trace (Small Parts)**	Trace
Doppler Trace (Urology)	Trace	**Doppler Trace (Vascular)**	Trace

MSK

MSK	Distance, Area, Hip Angle[1], Strain Ratio[2]

[1] MSK Hip Angle measurements includes a Graf classification entry in the Report.
[2] Available only in Elastography.

Measure Live

All Modes

Distance	Live Distance

OB 1st Trimester

B-Mode

Fetal Biometry	BPD, HC, OFD, FL, AC, TAD, APAD, CxLength, CEREB, FTA, TTD, APTD, Nasal, BND **Calculation:** GA(user), EFW, FL/BPD, FL/HC, HC/AC, CI(HC), HC(OFD), FL/AC

All Modes

Early OB	GS, CRL, YS, NT, BPD, Cx Length **Calculation:** GS AVG, GA(user), EFW	**Fetal Doppler**	FHR, Umb A, Umb A-PI, MCA, MCA-PI, SD Ratio
Fetal Heart	FHR	**Maternal Doppler**	Lt Uterine Artery, Rt Uterine Artery
Lt Ovary	Lt Ovary L, Lt Ovary H, Lt Ovary W, Lt Cyst 1 L, Lt Cyst 1 H, Lt Cyst 1 W, Lt Cyst 2 L, Lt Cyst 2 H, Lt Cyst 2 W		
Rt Ovary	Rt Ovary L, Rt Ovary H, Rt Ovary W, Rt Cyst 1 L, Rt Cyst 1 H, Rt Cyst 1 W, Rt Cyst 2 L, Rt Cyst 2 H, Rt Cyst 2 W **Calculation:** VOL(RtOvary), VOL(RtOvary Cyst1), VOL(RtOvary Cyst2)		
Uterus	Uterus L, Uterus H, Uterus W, Endom Thick, Fibroid 1 L, Fibroid 1 H, Fibroid 1 W, Fibroid 2 L, Fibroid 2 H, Fibroid 2 W **Calculation:** VOL(Uterus), VOL(Fibroid1), VOL(Fibroid2)		

OB 2nd-3rd Trimesters

All Modes

AFI	Q1, Q2, Q3, Q4 **Calculation:** AFI	**Fetal Heart**	FHR
Early OB	GS, CRL, YS, NT, BPD, CxLength **Calculation:** GS AVG, GA(user), EFW		
Long Bones	HL, UL, TL, FL, Radius, Fibula **Calculation:** GA(user), EFW, FL/AC, FL/BPD, FL/HC		
Maternal Doppler	Lt Uterine Artery, Rt Uterine Artery		
Fetal Biometry	BPD, HC, OFD, FL, AC, TAD, APAD, CxLength, CEREB, FTA, TTD, APTD, Nasal, BND **Calculation:** GA(user), EFW, FL/BPD, FL/HC, HC/AC, CI(HC), HC(OFD), FL/AC		
Fetal Doppler	FHR, Umb A, Umb A-PI, MCA, MCA-PI, SD Ratio		

Pelvic

All Modes

Fetal Heart	FHR
Ovarian D	Auto Trace, PS, RI, S/D, Time, Manual Trace, ED, PI, HR
Lt Ovary	Lt Ovary L, Lt Ovary H, Lt Ovary W, Cyst 1 L, Cyst 1 H, Cyst 1 W, Cyst 2 L, Cyst 2 H, Cyst 2 W **Calculation:** VOL(LtOvary), VOL(LtOvary Cyst1), VOL(LtOvary Cyst2)
Rt Ovary	Rt Ovary L, Rt Ovary H, Rt Ovary W, Cyst 1 L, Cyst 1 H, Cyst 1 W, Cyst 2 L, Cyst 2 H, Cyst 2 W **Calculation:** VOL(RtOvary), VOL(RtOvary Cyst1), VOL(RtOvary Cyst2)
LtFollicle	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F13, F14, F15, F16, F17, F18, F19, F20, F21, F22, F23, F24, F25, F26, F27, F28, F29, F30 **Calculation:** F1 Vol, Lt F1 Avg Dist, F2 Vol, Lt F2 Avg Dist, F3 Vol, Lt F3 Avg Dist, F4 Vol, Lt F4 Avg Dist, F5 Vol, Lt F5 Avg Dist, F6 Vol, Lt F6 Avg Dist, F7 Vol, Lt F7 Avg Dist, F8 Vol, Lt F8 Avg Dist, F9 Vol, Lt F9 Avg Dist, F10 Vol, Lt F10 Avg Dist, F11 Vol, Lt F11 Avg Dist, F12 Vol, Lt F12 Avg Dist, F13 Vol, Lt F13 Avg Dist, F14 Vol, Lt F14 Avg Dist, F15 Vol, Lt F15 Avg Dist, F16 Vol, Lt F16 Avg Dist, F17 Vol, Lt F17 Avg Dist, F18 Vol, Lt F18 Avg Dist, F19 Vol, Lt F19 Avg Dist, F20 Vol, Lt F20 Avg Dist, F21 Vol, Lt F21 Avg Dist, F22 Vol, Lt F22 Avg Dist, F23 Vol, Lt F23 Avg Dist, F24 Vol, Lt F24 Avg Dist, F25 Vol, Lt F25 Avg Dist, F26 Vol, Lt F26 Avg Dist, F27 Vol, Lt F27 Avg Dist, F28 Vol, Lt F28 Avg Dist, F29 Vol, Lt F29 Avg Dist, F30 Vol, Lt F30 Avg Dist
RtFollicle	F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, F13, F14, F15, F16, F17, F18, F19, F20, F21, F22, F23, F24, F25, F26, F27, F28, F29, F30 **Calculation:** F1 Vol, Rt F1 Avg Dist, F2 Vol, Rt F2 Avg Dist, F3 Vol, Rt F3 Avg Dist, F4 Vol, Rt F4 Avg Dist, F5 Vol, Rt F5 Avg Dist, F6 Vol, Rt F6 Avg Dist, F7 Vol, Rt F7 Avg Dist, F8 Vol, Rt F8 Avg Dist, F9 Vol, Rt F9 Avg Dist, F10 Vol, Rt F10 Avg Dist, F11 Vol, Rt F11 Avg Dist, F12 Vol, Rt F12 Avg Dist, F13 Vol, Rt F13 Avg Dist, F14 Vol, Rt F14 Avg Dist, F15 Vol, Rt F15 Avg Dist, F16 Vol, Rt F16 Avg Dist, F17 Vol, Rt F17 Avg Dist, F18 Vol, Rt F18 Avg Dist, F19 Vol, Rt F19 Avg Dist, F20 Vol, Rt F20 Avg Dist, F21 Vol, Rt F21 Avg Dist, F22 Vol, Rt F22 Avg Dist, F23 Vol, Rt F23 Avg Dist, F24 Vol, Rt F24 Avg Dist, F25 Vol, Rt F25 Avg Dist, F26 Vol, Rt F26 Avg Dist, F27 Vol, Rt F27 Avg Dist, F28 Vol, Rt F28 Avg Dist, F29 Vol, Rt F29 Avg Dist, F30 Vol, Rt F30 Avg Dist
Uterus	Uterus L, Uterus H, Uterus W, Endom Thick, CxLength, Fibroid 1 L, Fibroid 1 H, Fibroid 1 W, Fibroid 2 L, Fibroid 2 H, Fibroid 2 W **Calculation:** VOL(Uterus), VOL(Fibroid1), VOL(Fibroid2)
Uterine D	Auto Trace, PS, RI, S/D, Time, Manual Trace, ED, PI, HR
Vessel	Auto Trace, PS, RI, S/D, Time, Manual Trace, ED, PI, HR

Renal

All Modes

Lt Kidney	L, H, W, CORTEX **Calculation:** VOL(LtKidney)	**Rt Kidney**	L, H, W, CORTEX **Calculation:** VOL(RtKidney)
Lt Kidney PW	Lt Vel Prox, Lt Vel Mid, Lt Vel Dist, Lt Trace Prox, Lt Trace Mid, Lt Trace Dist	**Rt Kidney PW**	Rt Vel Prox, Rt Vel Mid, Rt Vel Dist, Rt Trace Prox, Rt Trace Mid, Rt Trace Dist
Lt Renal A.	Lt Vel Prox, Lt Vel Mid, Lt Vel Dist, Lt Trace Prox, Lt Trace Mid, Lt Trace Dist, Lt Upper Pole, Lt Mid, Lt Lower Pole	**Rt Renal A.**	Rt Vel Prox, Rt Vel Mid, Rt Vel Dist, Rt Trace Prox, Rt Trace Mid, Rt Trace Dist, Rt Upper Pole, Rt Mid, Rt Lower Pole
Bladder	L, H, W, Blad Wall, Rt Ureter, Lt Ureter, Pre-void L, Pre-void H, Pre-void W, Post-void L, Post-void H, Post-void W **Calculation:** VOL(Bladder), VOL(Bladder), VOL(Bladder PreVoid), VOL(Bladder PreVoid), VOL(Bladder PostVoid), VOL(Bladder PostVoid)		
Dor.PenA	Vessel Area, Stenosis Area, Auto Trace, PS, RI, S/D, Time, Manual Trace, ED, PI, Vessel Dia, Stenosis Dia, HR		
Vessel	Vessel Area, Stenosis Area, Auto Trace, PS, RI, S/D, Time, Manual Trace, ED, PI, Vessel Dia, Stenosis Dia, HR		

Small Parts

All Modes

Lt Testicle	L, H, W **Calculation:** VOL(LtTesticle)	**Rt Testicle**	L, H, W **Calculation:** VOL(RtTesticle)
Lt Nodule	L, H, W, Isthmus, 1 T, 1 A/P, 1 L, 2 T, 2 A/P, 2 L, 3 T, 3 A/P, 3 L, 4 T, 4 A/P, 4 L **Calculation:** VOL(LtNodule), Vol	**Rt Nodule**	L, H, W, Isthmus, 1 T, 1 A/P, 1 L, 2 T, 2 A/P, 2 L, 3 T, 3 A/P, 3 L, 4 T, 4 A/P, 4 L **Calculation:** VOL(RtNodule), Vol
Lt Thyroid	L, H, W, Isthmus, Trans, A/P, Sag, Isth Nod 1 T, Isth Nod 1 A/P, Isth Nod 1 L, Isth Nod 2 T, Isth Nod 2 A/P, Isth Nod 2 L **Calculation:** VOL(LtThyroid), Vol	**Rt Thyroid**	L, H, W, Isthmus, Trans, A/P, Sag, Isth Nod 1 T, Isth Nod 1 A/P, Isth Nod 1 L, Isth Nod 2 T, Isth Nod 2 A/P, Isth Nod 2 L **Calculation:** VOL(RtThyroid), Vol
Vessel	Vessel Area, Stenosis Area, Auto Trace, PS, RI, S/D, Time, Manual Trace, ED, PI, Vessel Diam, Stenosis Diam, HR		

Elastography

Lt Nodule	Strain Ratio	**Rt Nodule**	Strain Ratio
Lt Thyroid	Strain Ratio	**Rt Thyroid**	Strain Ratio

Urology

All Modes

Dor.PenA	Vessel Area, Stenosis Area, Auto Trace, PS, RI, S/D, Time, Manual Trace, ED, PI, Vessel Dia, Stenosis Dia, HR	**Prostate**	L, H, W, Region L, Region H, Region W **Calculation:** VOL(Prostate), VOL(Region), PSAD
Lt Testicle	L, H, W **Calculation:** VOL(LtTesticle)	**Rt Testicle**	L, H, W **Calculation:** VOL(RtTesticle)
Lt Kidney	L, H, W, CORTEX **Calculation:** VOL(LtKidney)	**Rt Kidney**	L, H, W, CORTEX **Calculation:** VOL(RtKidney)
Lt Kidney PW	Lt Vel Prox, Lt Vel Mid, Lt Vel Dist, Lt Trace Prox, Lt Trace Mid, Lt Trace Dist		
Rt Kidney PW	Rt Vel Prox, Rt Vel Mid, Rt Vel Dist, Rt Trace Prox, Rt Trace Mid, Rt Trace Dist		
Lt Renal A.	Lt Vel Prox, Lt Vel Mid, Lt Vel Dist, Lt Trace Prox, Lt Trace Mid, Lt Trace Dist, Lt Upper Pole, Lt Mid, Lt Lower Pole		
Rt Renal A.	Rt Vel Prox, Rt Vel Mid, Rt Vel Dist, Rt Trace Prox, Rt Trace Mid, Rt Trace Dist, Rt Upper Pole, Rt Mid, Rt Lower Pole		
Bladder	L, H, W, Blad Wall, Rt Ureter, Lt Ureter, Pre-void L, Pre-void H, Pre-void W, Post-void L, Post-void H, Post-void W **Calculation:** VOL(Bladder), VOL(Bladder), VOL(Bladder PreVoid), VOL(Bladder PreVoid), VOL(Bladder PostVoid), VOL(Bladder PostVoid)		
Vessel	Vessel Area, Stenosis Area, Auto Trace, PS, RI, S/D, Time, Manual Trace, ED, PI, Vessel Dia, Stenosis Dia, HR		

Vascular

B-Mode / Dual B / Quad B / Compound / Dual Compound

Intima	IMT, Rt Prox CCA, Rt Mid CCA, Rt Dist CCA, Rt Bulb, Lt Prox CCA, Lt Mid CCA, Lt Dist CCA, Lt Bulb
Stenosis A	Rt Prox CCA, Rt Mid CCA, Rt Dist CCA, Rt Bulb, Rt Dist CCA, Rt Bulb, Rt Prox ICA, Rt Mid ICA, Rt Dist ICA, Lt Prox CCA, Lt Mid CCA, Lt Dist CCA, Lt Bulb, Lt Prox ICA, Lt Mid ICA, Lt Dist ICA **Calculation:** %STA, %STD
Stenosis D	Rt Prox CCA, Rt Mid CCA, Rt Dist CCA, Rt Bulb, Rt Prox ICA, Rt Mid ICA, Rt Dist ICA, Lt Prox CCA, Lt Mid CCA, Lt Dist CCA, Lt Bulb, Lt Prox ICA, Lt Mid ICA, Lt Dist ICA **Calculation:** %STA, %STD

PW Mode

Arterial SOCD[1]	Rt VA, Lt VA, BA
Arterial TCD[1]	Rt MCA, Lt MCA, Rt PCA, Lt PCA, Rt ACA, Lt ACA, Rt P COM A, Lt P COM A

[1] Supported transducer: SA4-2/24.

All Modes

Arterial	Distance, Area, HR, Velocity, Time/Slope, Trace, Range, Diam Red, Area Red, d:D Ratio, Diameter, Mean Velocity **Calculation:** VolFlow
Lt Carotid	Lt Prox CCA, Lt Mid CCA, Lt Dist CCA, Lt Bulb, Lt Prox ICA, Lt Mid ICA, Lt Dist ICA, Lt Prox ECA, Lt Mid ECA, Lt Dist ECA, Lt Vert Art, Lt Sub Clav
Rt Carotid	Rt Prox CCA, Rt Mid CCA, Rt Dist CCA, Rt Bulb, Rt Prox ICA, Rt Mid ICA, Rt Dist ICA, Rt Prox ECA, Rt Mid ECA, Rt Dist ECA, Rt Vert Art, Rt Sub Clav
Venous	Rt GSV Prox, Rt GSV Mid, Rt GSV Dist, Rt CFV, Rt SFV Prox, Rt SFV Mid, Rt POPV, Rt LSV Prox, Rt LSV Dist, Lt GSV Prox, Lt GSV Mid, Lt GSV Dist, Lt CFV, Lt SFV Prox, Lt SFV Mid, Lt POPV, Lt LSV Prox, Lt LSV Dist, Distance, Time

Measurement Tables

OB Fetal Age

AC	BC Women's, Crequat, Hadlock, Hansmann, Tokyo	**GS**	Hansmann, Hellman, Nyberg, Rempen
APAD	Persson	**HC**	Altman and Chitty, BC Women's, Crequat, Hadlock, Hansmann
BND	Crequat, Jeanty, Tongsong	**HL**	Jeanty
BPD	BC Women's, DSOG, Eik-Nes, eSnurra, Hadlock, Hansmann, Hobbins, Kurtz, Osaka, Persson, Robinson, Selbing-Kjessler, Tokyo	**OFD**	Hansmann
CEREB	Hill	**TAD**	Crequat, eSnurra
CRL	BC Women's, DSOG, Hadlock, Hansmann, Hobbins, Loughna, Osaka, Persson, Rempen, Robinson	**TL**	Hobbins, Jeanty
Fibula	Hobbins	**TTD**	Hansmann
FL	Altman and Chitty, BC Women's, Crequat, DSOG, eSnurra, Hadlock, Hansmann, Merz, Osaka, Persson, Tokyo	**UL**	Jeanty
FTA	Osaka		

OB Fetal Growth

AC	BC Women's, Chitty, Crequat, Hadlock, Tokyo	**FL/HC**	Hadlock
AFI	Moore	**FTA**	Osaka
BPD	BC Women's, Crequat, Eik-Nes, eSnurra, Hadlock, Hobbins, Kurtz, Osaka, Robinson, Selbing-Kjessler, Tokyo	**HC**	BC Women's, Chitty, Crequat, Hadlock
CI (HC)	Hadlock	**HC/AC**	Campbell
CRL	BC Women's, Hadlock, Hobbins, Osaka, Robinson	**HL**	Jeanty
Fibula	Hobbins	**TAD**	Crequat, eSnurra
FL	BC Women's, Chitty, Crequat, Snurra, Hadlock, Jeanty, Osaka, Tokyo	**TC**	BC Women's
FL/AC	Hadlock	**TL**	Hobbins
FL/BDP	Hohler		

OB Fetal Growth Ratios

CI (HC)	Hadlock	**FL/BPD**	Hohler	**HC/AC**	Campbell
FL/AC	Hadlock	**FL/HC**	Hadlock		

Measurement Tables

OB Estimated Fetal Weight

AC/BPD/FL	Hadlock	**BPD/TTD**	Hansmann
AC/BPD/FL/HC	Hadlock	**BPD/FTA/FL**	Osaka
AC/FL	Hadlock	**BPD/APAD/TAD**	DSOG, Persson
AC/FL/HC	Hadlock	**BPD/APAD/TAD/FL**	DSOG, Persson
BPD/AC	Hadlock	**BPD/APTD/TTD/FL**	Tokyo
BPD/TAD	Eik-Nes		

OB Birth Weight

BW	Brenner, Doubile, Hadlock, Osaka

Cardiac

- **Cubed**
- **Gibson**
- **Teichholz**

Measurement Tools

B-Mode

Distance	Point-to-Point, Curved	**Area**	Cross, Ellipse, Trace, Point-to-Point
Hip Angle	Hip Angle	**Diameter Reduction**	Point-to-Point
Angle	Vector Angle	**D:d Ratio**	D:d Ratio
Area Reduction	Ellipse/Ellipse, Ellipse/Trace, Trace/Trace		

Doppler

Heart Rate	Heart Rate	**Velocity**	Single, Double (PSV/EDV)
Time	Time	**Time/Slope**	Time/Distance/Slope
Trace	Point-to-Point, Trace, Range	**Acceleration**	Acceleration
Auto-trace	PSV, EDV, MV, AT, DT, RI, PI, SD, VTI, PGr, MGr, HR		

Imaging Modes and Analysis Packages

Imaging Modes

B	Yes	**Compound**	Optional
Dual B	Yes	**Dual Compound**	Optional
Quad B	Yes	**PW**	Yes
Color (and Power)	Yes	**CW**	Optional
Dual Color	Yes	**Triplex**	Yes
Tissue Doppler Imaging (TDI)	Optional	**Freehand 3D**	N/A
Flow Imaging (Color and Power)	Optional	**Standard 3D/4D**	N/A
Color M	Optional	**Advanced 3D/4D**	N/A
M	Yes	**Panoramic**	Optional
Anatomical M	Optional	**Elastography**[1]	Optional
Simultaneous 2D/Color	Yes	**Elastography Comparative**[1]	Optional

[1] Supported transducers: MC9-4/12, EC9-5/10, C5-2/60, C5-2/60GPS, C7-3/50, C9-5/10, BPC8-4/10, BPL9-5/55, L9-4/38, L14-5/38, L14-5/38GPS, L40-8/12, HST15-8/20

Combined Imaging Modes

• **B/M**	• **B B/C**	• **B/C/M**	• **B/PW**
• **Dual B/C**	• **B/CW**	• **B/C/PW**	• **B/C/CW**
• **Dual B/Power**	• **B/Power/M**	• **B/Power/PW**	• **B/Power/CW**
• **Dual Compound**	• **B B/Power**	• **B/Elasto**[1]	• **B B/Elasto**[1]
• **Dual B**	• **Quad B**	• **B B/TDI**	• **B/TDI/PW**
• **Dual B/TDI**	• **B/TDI/M**	• **B/TDI/CW**	

[1] Supported transducers: MC9-4/12, EC9-5/10, C5-2/60, C5-2/60GPS, C7-3/50, C9-5/10, BPC8-4/10, BPL9-5/55, L9-4/38, L14-5/38, L14-5/38GPS, L40-8/12, HST15-8/20.

B-Mode

Chroma	8	**Map**	17
Depth	Max 36 cm	**Persistence /Frame Average**	up to 7
Frame Rate	400 Hz[1]	**Frame Rate Levels**	Med, High, Max
Grayscale Levels	256	**Gain**	0–100%
Dynamic Range	145 dB	**Total Dynamic Range**	290 dB
Focus Count	Max 10	**Auto-Focus**	Yes
Reverse Top/Bottom	Yes	**Reverse Left/Right**	Yes
TGC	Touch screen-driven	**Acoustic Power**	0 –> (-15) dB
Max Line Density	512	**Max Steer Angle**	17.5°
Dual/Quad Imaging	Yes	**Sector Size**	Yes
Multi-Frequency	EPI, Penetration, General, Resolution, Harmonics-Resolution, Harmonics-Penetration		
Clarity Adaptive Speckle Reduction	Off, Low, Med, High, Max		

[1] Maximum Frame Rate is transducer-dependant.

M-Mode

Gain	0–100%	**Sweep Speeds**	Low, Med1, Med2, High1, High2
Maps	16	**Chroma**	17
Max Steer Angle	15°	**Anatomic M-Mode**	Optional
Side-by-Side Layout	Yes	**Top/Bottom Layout**	Yes (2 sizes)
Distance	Point-to-Point	**Heart Rate**	Heart Rate
Time	Time	**Time/Slope**	Time/Distance/Slope
Diameter Reduction	Point-to-Point		

Color Mode

Gain	0–100%	**Frame Rate Levels**	Med, High, Max
Color Modes	Color, Power	**Color Visibility**	Off/On
Flow Imaging Modes (Color, Power)	Optional	**Doppler Multi-Frequency**	2MHz–10MHz (transducer dependent)
Doppler Steer Angles	Yes (5 steps)	**Max Steer Angle**	15°
PRF	0.2 kHz–>10 kHz	**Priority**	0–250
Color Map	9	**Wall Filter**	1–50% of PRF
Baseline	Yes	**Persistence/Frame Average**	up to 9 frames
Line Density Max	256 lines	**Ensemble Length**	6–16
Invert	Yes	**Color M-Mode**	Optional
Color ROI	Yes	**Tissue Doppler Imaging (TDI)**	Optional

PW Mode

Doppler Multi-Frequency	2 MHz–10 MHz (transducer dependent)	**Doppler Steer Angles**	5 steps
Max Steering Angle	15°	**Correction Angle**	80°/-80°
Spectrum Filter (Edge)	0–12	**Sample volume size**	0.5 mm–40 mm
Auto-Trace	Yes	**Audio**	0–100%
Gain	0–100%	**Scale**	Yes
Baseline	Yes	**Sweep Speeds**	Low, Med1, Med2, High1, High2
Side-by-Side Layout	Yes	**Top/Bottom Layout**	Yes (2 sizes)
Chroma	17	**Maps**	3
Invert	Yes	**Duplex**	Yes
Triplex	Yes		

CW Mode (optional)

Doppler Multi-Frequency	1.67 MHz, 2 MHz, 2.5 MHz, 3.33 MHz, 4MHz	**Doppler Steer Angles**	N/A
Max Steering Angle	15°	**Correction Angle**	80°/-80°
Spectrum Filter (Edge)	0–12	**Sample Volume Size**	0.5 mm–40 mm
Auto-Trace	Yes	**Audio**	0–100%
Gain	0–100%	**Scale**	Yes
Baseline	Yes	**Sweep Speeds**	Low, Med1, Med2, High1, High2
Side-by-Side Layout	Yes	**Top/Bottom Layout**	Yes (2 sizes)
Chroma	17	**Maps**	3
Invert	Yes	**Duplex**	Yes

Compound (optional)

Frame Count	3 or 5 lines (tx/rx)	**Focus Count**	Max 2
Max line density	256	**Compound Levels**	Med[1], High[1], Shine[2]

[1] Supported transducers: all Curved Array and Linear transducers.
[2] Supported transducers: L9-4/38, L14-5/38, L14-5/38 GPS.

Panoramic (optional)

Max Length	>0.4 m	**Zoom**	Yes
Rotate	Yes	**Pan**	Yes

Elastography[1] (optional)

Maps	20	**Transparency**	0–100%
ROI	Yes	**Stiffness Display Filter**	Yes
Max Frame Rate	30 Hz	**Region Selection**	All, Soft, Med, Hard
Strain Ratio	Yes		

[1] Supported transducers: MC9-4/12, EC9-5/10, C5-2/60, C5-2/60GPS, C7-3/50, C9-5/10, BPC8-4/10, BPL9-5/55, L9-4/38, L14-5/38, L14-5/38GPS, L40-8/12, HST15-8/20.

Research Modes

Color RF	Optional	**B/RF**	Optional	**C/RF**	Optional
RF	Optional	**Power/RF**	Optional	**TDI/RF**	N/A
RF Compound	Optional				

Analysis Packages

OB Scanning	Yes	**Small Parts Scanning**	Yes	**Cardiac Scanning**	Yes
Abdominal Scanning	Yes	**Urology Scanning**	Yes	**Vascular Scanning**	Yes
GYN Scanning	Yes				

Cleaning and Maintenance

Approved Cleaning Agents / Solutions

Display Cabinet	• water • mild detergent (PH level at or near 7) and water solution.
LCD Display / Touch Screen	• 50:50 isopropyl alcohol and water • any proprietary glass cleaning solution • water • mild detergent (PH level at or near 7) and water solution.
System and Peripherals	Refer to Appendix D in the current *SonixTablet User Manual*.
Transducers	Refer to Appendix D in the current *SonixTablet User Manual*.

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